

EXECUTIVE SUMMARY

Prepared May 12, 2000

Mine Name: <u>Peoa Blonde</u>	I.D. No: <u>M/043/012</u>
Operator: <u>Star Stone Quarries, Inc.</u>	County: <u>Summit</u>
<u>4040 South 300 West</u>	New/Existing: <u>Existing</u>
<u>Salt Lake City, Utah 84107</u>	Mineral Ownership: <u>Fee</u>
	Surface Ownership: <u>Fee</u>
Telephone: <u>(801) 262-4300</u>	Lease No.(s): <u>N/A</u>
Contact Person: <u>Lon Thomas</u>	Permit Term: <u>5 years</u>
Life of Mine: <u>10 years</u>	

Legal Description: Portions of the SE/4 NW/4 and the SW/4 of Section 20, Township 1 South, Range 5 East, SLBM, Summit County, Utah

Mineral(s) to be Mined: Sandstone, building stone

Mining Methods: Surface / Open pit Quarry

Acres to be Disturbed: 25.7 acres.

Present Land Use: Grazing, Wildlife habitat

Postmining Land Use: 10.5 acres will be used for commercial storage if approved by Summit County, and the remaining 15.2 acres will be grazing / wildlife habitat. Otherwise, the entire site will be reclaimed to grazing and wildlife habitat for post-mining use.

Variances from Reclamation Standards (Rule R647) Granted: R647-4-111.8, Reclamation of Roads. Map 7 shows one road to remain for post mining access to the operator's private property. There are no other roads in the adjacent areas. The Division concurs that a 12-foot wide road for post mining property access is appropriate.

Soils and Geology:

Soil Description: Soils are classified as the Ayoub-Dunford-Melling complex. These soils are a stony loam type, 10 to 20 inches thick over andesite bedrock.

pH: 7.2

Special Handling Problems: No special handling problems.

Geology Description: Sandstone of the Jurassic-Triassic Nugget Sandstone. In the vicinity of this operation, the Nugget Sandstone is thickly bedded, mostly buff colored with small areas of red colored sandstone. The Nugget Sandstone strikes to the east-northeast and dips north at 75 degrees.

Hydrology:

Ground Water Description: The operation is found on a rocky hillside with very little ground water in the area. However, there is a small seep located within the permit area that is used a water source for the employee camp. It flows at approximately 5 gallons per minute.

Surface Water Description: Two ephemeral surface water drainages will be impacted by this project. French drains will be installed in these drainages to prevent blockage of any storm water. Two small impoundments are

Water Monitoring Plan: None required.

Ecology:

Vegetation Type(s); Dominant Species: The project is located within the mountain shrub/grass community type. Dominant plant species includes mountain big sagebrush, woods rose, rabbitbrush, and bluegrasses.

Percent Surrounding Vegetative Cover: Unknown at this time, estimated to be 50 to 60% ground cover.

Wildlife Concerns: No threatened or endangered species or critical wildlife habitat within the project area.

Surface Facilities: Office, Scales, guillotine, rock crusher, fuel storage w/secondary containment, waterline between spring and campsite, campsite consisting of two trailers for employees. The site is fenced and gated at public access points to keep unauthorized personnel from accessing the area.

Mining and Reclamation Plan Summary:

During Operations:

Stone is dug from the quarry with a trackhoe where it is split by hand and stacked on pallets for shipping. Harder stone is cut with the guillotine. Waste material is added to the dumps where, it is fed to the crusher for a crushed stone product. Topsoil is salvaged and place in stockpiles for final reclamation. Topsoil stockpiles are seeded and signed to protect them from erosion and further impacts. The Quarry operation will step down in 10- foot lifts for safety and to maintain a level working area. The operator has obtained an air quality permit to operate the crusher. Fuel is stored in an above-ground storage tank with secondary containment to control any potential spills.

After Operations:

All facilities and structures will be removed and all disturbed areas except the access road (12-foot wide) will be reclaimed. Areas that have been compacted will be ripped. All areas except the highwall will be graded to less than 2.5h:1v slope. Fine material will be placed on the quarry floor and dumps as needed to provide for a minimum 18-inch depth for rooting (including topsoil replacement). Topsoil will be respread over the entire site and will be amended with 5-10 tons per acre of composted manure. The area will then be seeded with an approved seed mix designed to meet the proposed post mining land uses of grazing and wildlife habitat. The Division has approved variances for not replacing topsoil or seeding the final highwall areas (approximately 2.5 acres) and to leave a 12-foot wide access road into the property. The operator has requested an additional 10.5 acres remain for future commercial uses. However, until Summit County approves of these uses, the operator will plan to reclaim the entire site (except the areas that have received variances).

Surety:

Amount: \$50,600 (In year 2005 dollars)

Form: Unknown at this time.

Renewable Term: 5 years